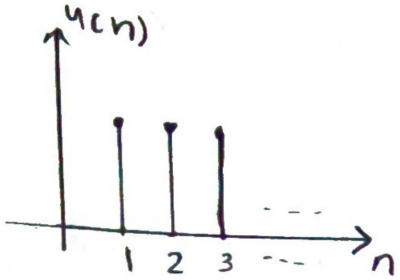
DSP

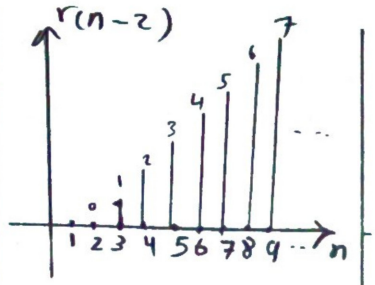
Section Report 1

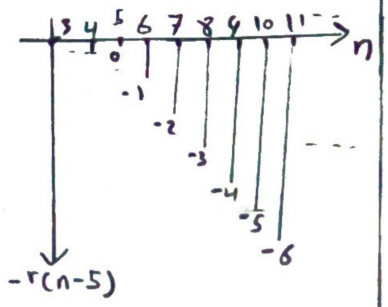
Sec 3

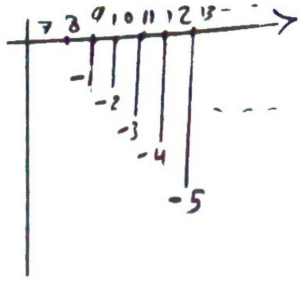
محمد مجدي عبدالغفار سلام

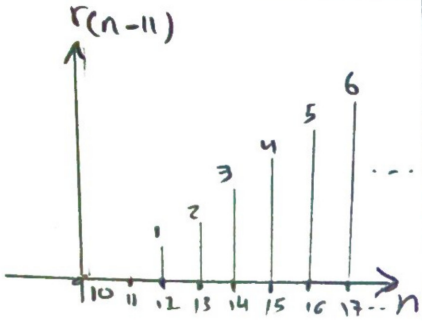
Q1: Sketch $x(n) = u(n) + r(n-2) - r(n-5) - r(n-8) + r(n-11)$

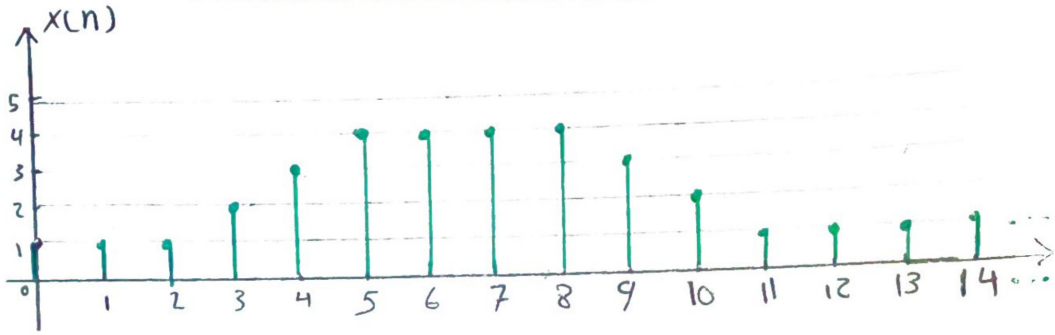












Q2: If $x(n) = \{2, 1, 1/2, 1/4, 1/8\}$, find

① $x(-n+2)$

$x(-n) = \{1/8, 1/4, 1/2, 1, \underset{\uparrow}{2}\}$

$x(-n+2) = \{1/8, 1/4, \underset{\uparrow}{1/2}, 1, 2\}$

② $x(n-2)$

$x(n-2) = \{0, 0, 2, 1, 1/2, 1/4, 1/8\}$

③ $x(n+2)$

$x(n+2) = \{2, 1, \underset{\uparrow}{1/2}, 1/4, 1/8\}$

④ $x(-n-2)$

$x(-n-2) = \{1/8, 1/4, 1/2, 1, 2, 0, \underset{\uparrow}{0}\}$